



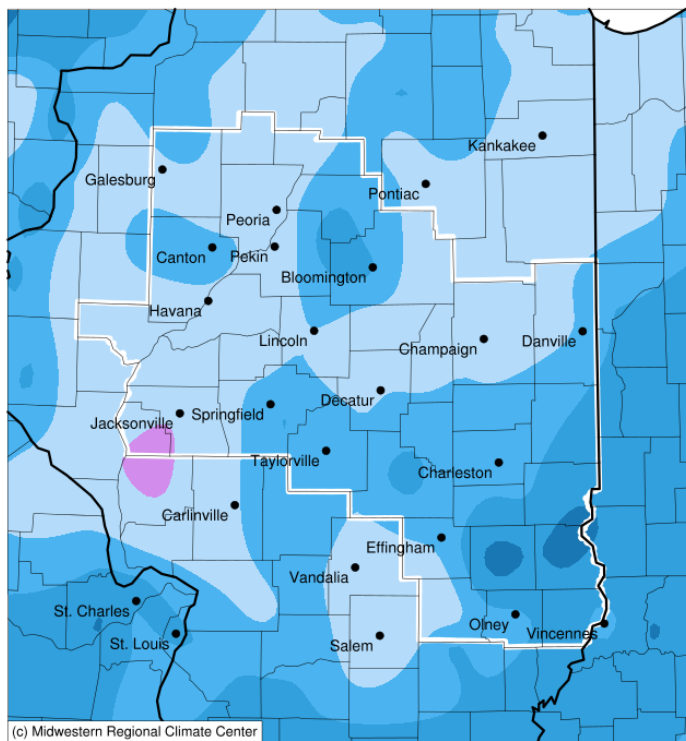
December 2023 Climate Summary

December 2023 Precipitation Highlights:

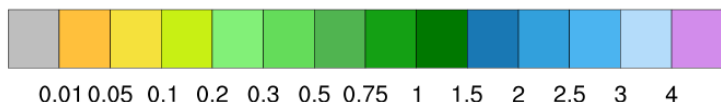
- Much of central Illinois received above normal precipitation for the month of December. The notable exceptions were to areas across southeast and south central Illinois where below normal precipitation was observed and where drought conditions worsened.
- No daily or monthly precipitation records were broken in December 2023. The wettest day of the month came December 1st, when between 0.60"-1.00" fell at each of Peoria, Springfield, and Lincoln. The next wettest day of the month came December 25th, when between 0.50"-0.60" fell.

Accumulated Precipitation (in)

December 01, 2023 to December 31, 2023

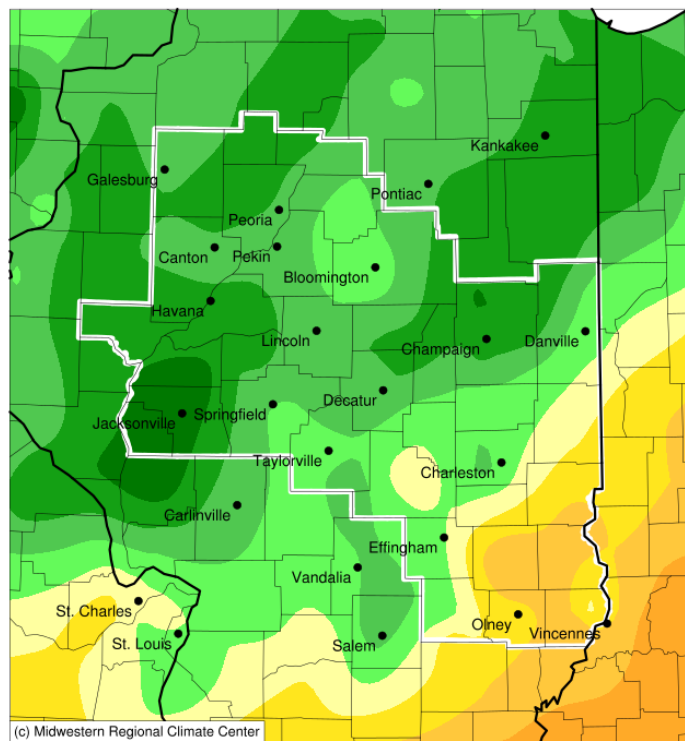


(c) Midwestern Regional Climate Center

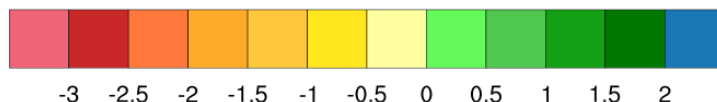


Accumulated Precipitation (in): Departure from 1991-2020 Normals

December 01, 2023 to December 31, 2023



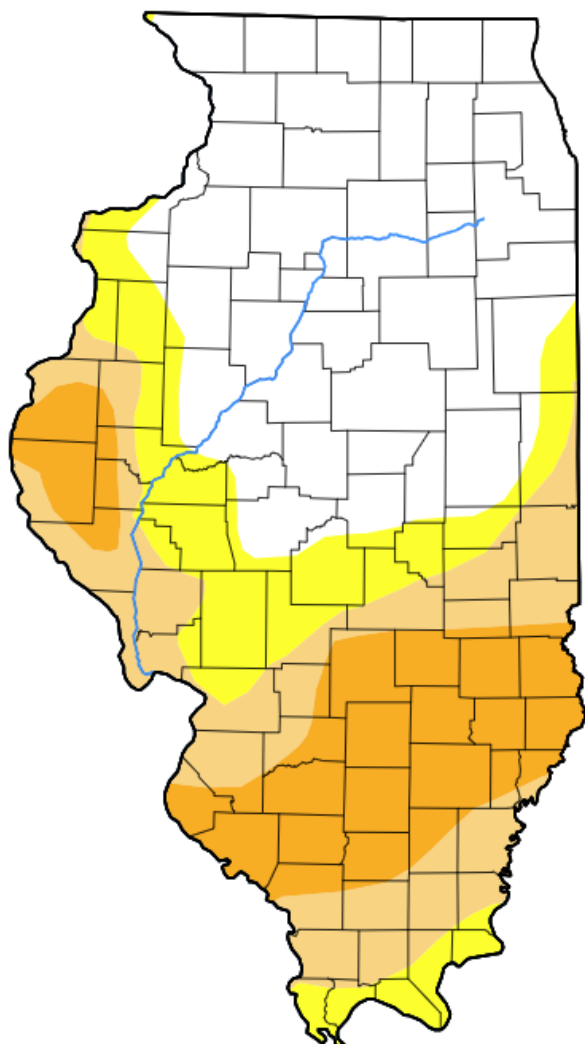
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Dec 28 2023 Drought Update:

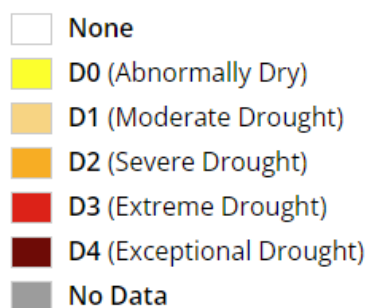
- The following contains information on the drought conditions across Illinois as of late December 2023.
- Intensity:** Areas of D2 (Severe) Drought have been analyzed south of the Interstate 70 corridor in southeast and south central Illinois, but also across far west central Illinois. The annual precipitation deficit was between 8-10" within these areas. Elsewhere across portions of northern and central Illinois, drought conditions showed modest improvement thanks to above normal precipitation observed at many sites during the month of December.
- Please continue to report drought conditions (including improvements) in your area via: [Condition Monitoring Reports](#)



Map released: Thurs. December 28, 2023

Data valid: December 26, 2023 at 7 a.m. EST

Intensity



Authors

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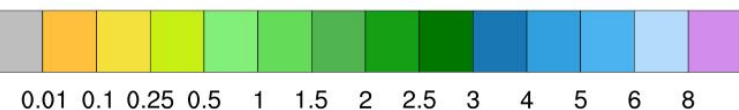
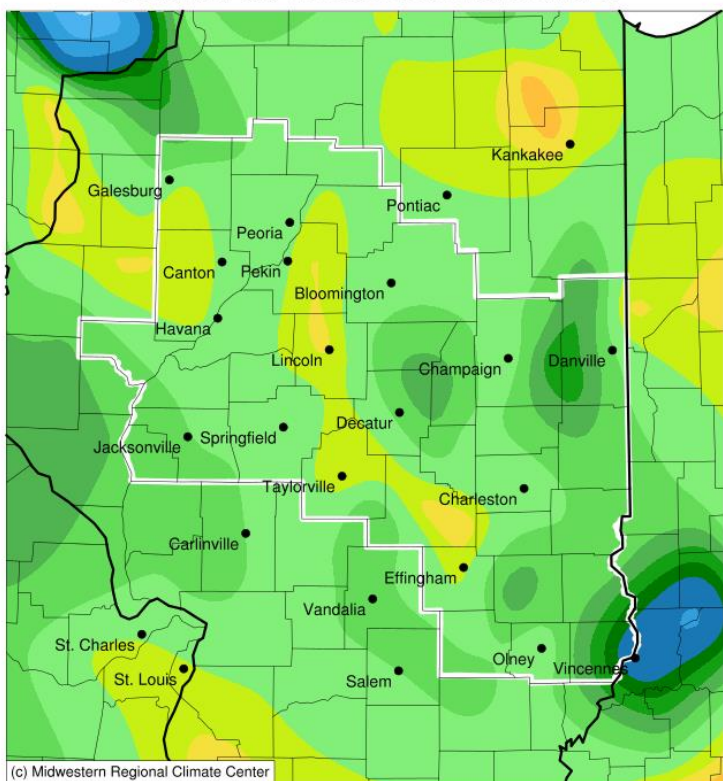


December 2023 Snowfall Highlights:

- A moderate-to-strong El Niño helped prop-up temperatures in December such that most of the precipitation that occurred fell as rain and not snow. This led to a 2-6" snowfall deficit across central Illinois.
- The majority of the snowfall that did occur in December came between the 28th-29th when 1-3" fell.
- At Lincoln, December 2023 goes down tied for the third least snowiest on record since 1906.

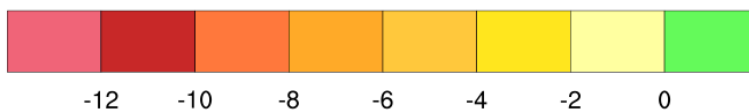
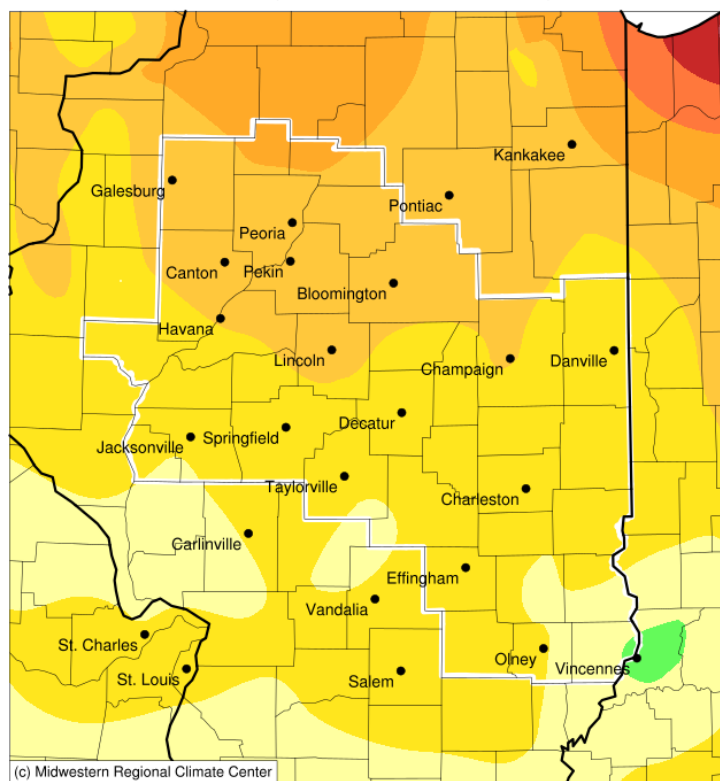
Accumulated Snowfall (in)

December 01, 2023 to December 31, 2023



Accumulated Snowfall (in): Departure from 1991-2020 Normals

December 01, 2023 to December 31, 2023

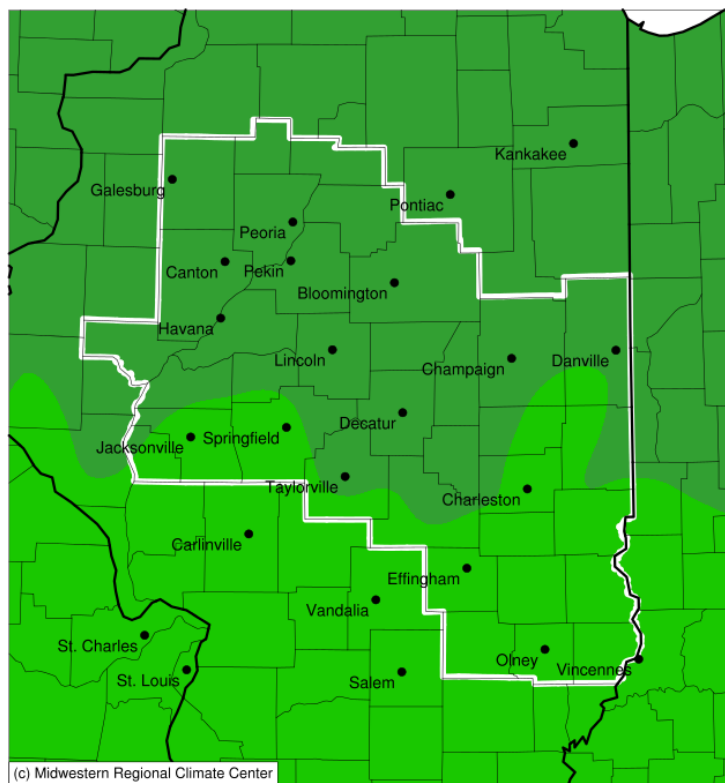


December 2023 Temperature Highlights:

- It was an unusually warm December for much of the Midwest region. Again, we think this is tied to a moderate-to-strong El Niño, a climate pattern known to have a significant impact on global climate patterns.
- As seen in the images below, climate sites across central Illinois experienced temperatures 7-9 °F warmer than what is considered normal for the month of December.
- In retrospect, December 2023 goes down as one of the warmest on record:
 - Peoria: 3rd warmest on record (since 1883)
 - Springfield: 5th warmest on record (since 1880)
 - Lincoln: 5th warmest on record (since 1906)

Average Temperature (°F)

December 01, 2023 to December 31, 2023

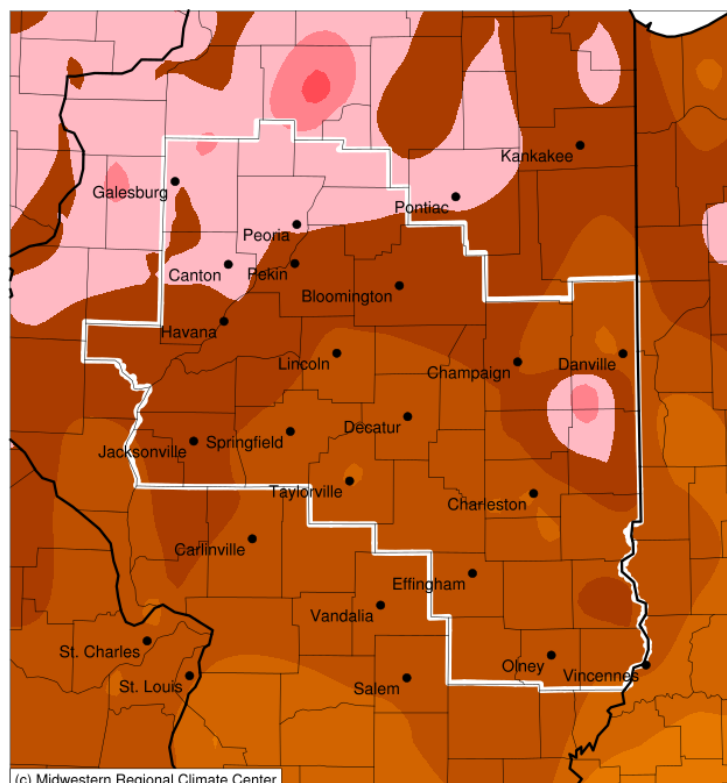


(c) Midwestern Regional Climate Center

25 30 35 40 45

Average Temperature (°F): Departure from 1991-2020 Normals

December 01, 2023 to December 31, 2023



(c) Midwestern Regional Climate Center

0 5 10



Climate Statistics for December 2023:

Site	Precipitation (inches)	Departure from Normal	Temperature (F)	Departure from Normal	Snowfall (inches)	Departure from Normal
Charleston	2.17	-0.62	41.6	7.3	0.5	-2.5
Danville	3.21	0.48	38.8	6.4	0.0	-3.0
Decatur	3.14	0.74	39.2	7.4	0.0	-3.5
Effingham	2.96	0.19	N/A	N/A	0.3	-2.1
Galesburg	3.09	0.95	36.8	9.0	1.0	-4.9
Jacksonville	3.91	1.93	40.3	8.1	0.7	-2.8
Lincoln	2.96	0.67	38.8	7.7	0.1	-4.8
Normal	2.71	0.41	38.3	8.5	0.0	-3.6
Olney	2.81	-0.69	41.7	7.7	0.2	-2.5
Paris	2.41	-0.44	39.5	8.9	1.2	-2.8
Peoria	3.05	0.84	39.9	9.0	0.9	-5.3
Springfield	2.98	0.83	40.5	7.6	1.0	-3.3
Taylorville	2.56	0.34	39.3	N/A	0.2	N/A
Urbana	4.03	1.63	39.1	8.0	0.4	-4.4

The following links are the monthly climate summaries for area cities. Only the summaries for Peoria, Springfield, and Lincoln are considered "official", meaning they are the station of record for their respective locations. The other summaries are "supplemental", meaning another location in the area is the official climate station for the city.

[Peoria](#) -- Peoria International Airport

[Springfield](#) -- Abraham Lincoln Capital Airport

[Lincoln](#) -- National Weather Service Office

[Champaign](#) -- University of Illinois-Willard Airport

[Decatur](#) -- Decatur Airport

[Lawrenceville](#) -- Lawrenceville-Vincennes International Airport

[Mattoon](#) -- Coles County Memorial Airport

Climate data for other cities is available at <http://w2.weather.gov/climate/xmacis.php?wfo=ilx>



January 2024 Look Ahead:

- Official outlooks from NOAA's Climate Prediction Center show equal chances for above or below normal temperatures over Illinois, and elevated chances (33-40%) for above normal precipitation across western Illinois for the month of January.

